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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

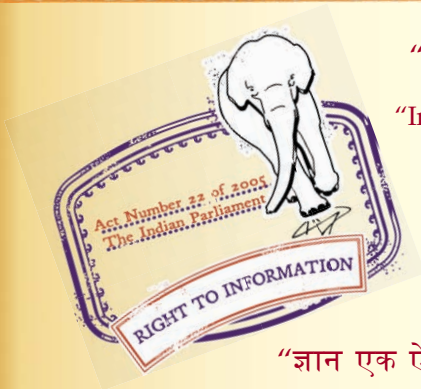
“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 15475-4 (2004): Code of Recommended Practice for Amusement Rides Safety, Part 4: Selection, Training and Supervision of Operators [MED 6: Continuous Bulk Conveying, Elevating, Hoisting Aerial Ropeways and Related Equipment]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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भारतीय मानक

मनोरंजन के लिए सुरक्षित सवारी की संस्तुत रीति संहिता

भाग 4 चयन, प्रशिक्षण और प्रचालकों का पर्यवेक्षण

Indian Standard

CODE OF RECOMMENDED PRACTICE FOR AMUSEMENT RIDES SAFETY

PART 4 SELECTION, TRAINING AND SUPERVISION OF OPERATORS

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BUREAU OF INDIAN STANDARDS
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FOREWORD

This Indian Standard (Part 4) was adopted by the Bureau of Indian Standards, after the draft finalized by the Continuous Bulk Conveying, Elevating, Hoisting, Aerial Ropeways and Related Equipment Sectional Committee had been approved by the Mechanical Engineering Division Council.

Amusement parks in India are becoming quite common and people visit these parks quite often. In order to ensure their safety in amusement parks or while enjoying the rides, an attempt has been made to stipulate safety in the form of a National Code. It is hoped that organizers of amusement parks, manufacturers of rides would make use of these codes to ensure overall safety of human beings and equipment at such places.

The code of recommended practice for amusement rides safety is being brought out in six parts. This standard covers the essential requirements relating to selection, training and supervision of operators. The other parts in this series are as follows:

- (Part 1) General information
- (Part 2) Safety requirements
- (Part 3) Design, manufacture and erection
- (Part 5) Operation and maintenance procedures
- (Part 6) Performance tests

In preparation of this standard, assistance has been taken from ASTM standards available on amusement rides or devices. Considerable assistance has also been derived from the following Indian Standards:

IS 7155 Code of recommended practice on conveyor safety:

- (Part 1) : 1986 General information
- (Part 2) : 1986 General safety requirements
- (Part 6) : 1990 Selection, training and supervision of operators
- (Part 7) : 1990 Inspection and maintenance

Indian Standard

CODE OF RECOMMENDED PRACTICE FOR AMUSEMENT RIDES SAFETY

PART 4 SELECTION, TRAINING AND SUPERVISION OF OPERATORS

1 SCOPE

1.1 This standard (Part 4) covers specific requirements relating to selection, training and supervision of operators for safe and proper operation of amusement rides and devices.

1.2 General information and safety requirements for amusement rides are given in IS 15475 (Part 1) and IS 15475 (Part 2) respectively and a reference to these standards may be useful during selection of operators, their training and supervision of operators/attendants.

1.3 Nothing in this standard is intended to contravene any provision of any of the existing Government regulation. It is the responsibility of the user of this code to establish appropriate safety and health practices and comply with regulatory and statutory requirements prior to use of the ride or device for carrying passenger for amusement.

2 REFERENCES

The following standards contain provisions which through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below:

<i>IS No.</i>	<i>Title</i>
15475	Code of recommended practice for amusement rides safety:
	(Part 1) : 2004 General information
	(Part 2) : 2003 Safety requirements

3 SELECTION

While selecting operators for amusement/joy ride, due regard shall be given to the physical fitness and maturity of the applicants and their aptitude for the work to be done.

4 TRAINING OF OPERATORS AND ATTENDANTS

4.1 The owner/operator shall provide training for each ride or device operator and attendant of an

amusement ride or device. The training shall include but not be limited to the following:

- a) Instruction on ride or device operating procedures,
- b) Instructions on specific duties of the assigned position,
- c) Instructions on general safety procedures,
- d) Instructions on emergency procedures,
- e) Physical demonstration of the ride or device operation,
- f) Physical operation of the ride or device,
- g) Supervised operation of the ride or device,
- h) Additional instructions deemed necessary by the owner or operator, and
- j) Maintenance procedures.

4.2 During the training particulars care shall be taken to ensure that each operator understands the following.

4.2.1 The dangers and hazards which are known to arise in the course of normal working.

4.2.2 The purpose of the safety guards and safety devices provided for the protection of operators, maintenance personnel, passengers and equipment.

4.2.3 The dangers and hazards liable to arise from bad practices, negligence and misuse.

4.2.4 Preventive maintenance and lubrication schedule recommended by the manufacturer/designer.

4.2.5 The necessity for contacting the person-in-charge if any fault(s) or defect(s) arise and danger to the operator/attendant in attempting to correct the fault.

4.2.6 Duties of operator and attendant at a specific position and stage of operation.

4.2.7 Awareness of specific emergency and safety devices to be operated or used in the event of abnormal condition or on interruption of service.

4.2.8 Recommended and established reporting system.

4.3 Clear instructions shall be given that guards or safety devices (Electrical and mechanical) shall not be tampered with, removed or altered in any way and that adjustable guards shall be readjusted only by an authorized technical person.

4.4 The operators knowledge on the use of amusement ride and the safety precautions to be taken shall be periodically checked and necessary instructions be issued to operator and attendant regarding important and emergency requirements to be taken care while operating the ride and use of its devices.

5 SUPERVISION

5.1 A ride operator shall be closely supervised by a person with thorough knowledge including the related regulations and statutory requirements relating to amusement/joy rides. Duties of operator shall be closely monitored till he is found fully conversant with the work assigned.

5.2 Regular supervision of ride operators and attendants is essential to ensure that safe practices are being followed and ride is working in a safe and proper manner.

6 SAFE OPERATING PROCEDURES

In addition to statutory and other requirements relating to safety of ride in general, specific attention of the operators shall be drawn to observe the following relating to creation/installation where the operator observe any deficiency in these, he shall submit the fact report to the appropriate/competent authority for immediate remedial action:

- a) All stopping and starting controls shall be clearly marked. The area around these devices shall be kept free of obstruction to ensure free access to them and a clear view of them all times.
- b) The area around all loading and unloading points on the amusement ride shall be kept clear of obstructions at all times.
- c) Use of ride shall be permitted after satisfactory trial run.
- d) No maintenance or repair work shall be carried out while a ride is in operation. While undertaking the maintenance or repairs work, power shall be disconnected and the starting control shall be positively locked. A shut down permission shall be taken prior to commencing any repair or maintenance work.
- e) In case the ride has stopped due to overloading of passengers, the reason of stopping shall be ascertained. The starting control shall be locked out before excess passenger(s) are unloaded and the stoppage is cleared before restarting.
- f) No overload and safety control shall be removed from the ride and overload and safety devices shall be checked on regular basis. Precaution shall be taken to prevent any one excepting a competent authorized person from adjusting or tampering with the adjustment of such control.
- g) The operational staff deployed on a ride or device shall be conversant with the location and operation of stopping control/device.
- h) At no time a ride be used for a purpose other than one for which it was designed and neither it shall be loaded in excess of its safe working load.
- j) Good house keeping shall be maintained at all times.
- k) Operators and attendants shall not wear loose clothing which may cause a trapping hazard.

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Amendments Issued Since Publication

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